

Holmes, Debi

From: Wood, Pat
Sent: Thursday, February 15, 2007 11:05 AM
To: 'cpedersen@bos.lacounty.gov'
Cc: Cadena, Diego; DeChellis, Patrick; Kubomoto, Rod; Stone, Christopher; Updyke, Erik
Subject: Big Dalton Reservoir Sediment Removal, Subdrain Extension, and Stem Rehabilitation Project

Dear Mr. Pedersen,

We are planning to file a Board Letter with the Executive Office on March 1, 2007, requesting the Board, at its March 13, 2007 Meeting, to adopt the plans and specifications for and authorize advertisement of the project entitled: "BIG DALTON DAM AND RESERVOIR -- SEDIMENT REMOVAL, SUBDRAIN EXTENSION AND SLUICE GATE STEM REHABILITATION." We will request that the Board find the project exempt from the California Environmental Quality Act (CEQA) and delegate authority to the Director of Public Works to award the construction contract for the project following the opening of bids.

Background

The Williams Fire in 2002 burned the entire watershed tributary to Big Dalton Dam and Reservoir, located above the City of Glendora. After the fire, large amounts of sediment runoff from the burned watershed deposited in the reservoir during storms. We undertook a two-year project in 2003-04 to remove over 600,000 tons of sediment from the reservoir to restore its storage capacity. The watershed is still undergoing recovery, and additional sediment runoff has accumulated in the reservoir. The November 2006 survey of Big Dalton Reservoir indicates approximately 200,000 tons of sediment has accumulated in the reservoir since the completion of the last cleanout project in 2004. Sediment deposition in the streambed below the dam has affected the dam's subdrain, the function of which is to drain water away from the dam's foundation and prevent uplifting of the dam. Sediment runoff from the burned hillsides just downstream of the dam buried the outlet of the subdrain and changed the streambed to the point it would no longer allow water to freely flow out of the subdrain. The subdrain needs to be extended to outlet at a location that is less susceptible to burial and allows free drainage of the pipe.

Proposed Project

The project under consideration consists of removing 200,000 to 300,000 tons of soil material from behind the dam, extending the dam's existing subdrain approximately 390 feet downstream from the dam, and, while the reservoir is drained for sediment removal, removing plating from the outlet works that were installed in the wake of the Williams Fire and installing a new stem and motor operator on the lowest gate on the dam to ease emergency operation of the dam. The volume of accumulated material by the start of construction may be as high as 300,000 tons, depending on the severity of the current 2006-07 Storm Season and the amount of sediment that washes into the reservoir during the season. The material will be trucked out of Big Dalton Canyon, along designated haul routes through the City of Glendora to the 210 Freeway. The contractor will be given an option to either haul the material to our Manning Pit Sediment Placement Site in the City of Irwindale for placement, or find his own means of legal disposal or end use. The City of Glendora and the City of Irwindale have been informed of the project construction. The residents of the cities along the haul route will be informed of the hauling operations. The construction contract cost is estimated to be \$2,600,000. The project will be funded using Flood Control District funds.

The attached draft of the brochure that will be used to notify local residents shows the location of the proposed project.



Big Dalton Dam
Cleanout Haul R..

Please let me know if you have any questions or comments regarding the advertising of this construction contract. Thank you.

Patricia Wood, P.E.

Senior Civil Engineer

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Water Resources Division

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